

AMENDMENTS TO THE CLAIMS

The present listing of claims replaces all previous listings of claims of the present application.

LISTING OF CLAIMS

1. (currently amended) A method of storing data comprising:

placing a plurality of nanometer beads filled with nanometer sized particles, the nanometer sized particles providing colors to the nanometer beads, ~~nanometer-sized carriers of different colors~~ using inkjet technology at each of a plurality of data pit locations on a rotating data storage medium disk to represent data by the presence and absence of said colors;

exciting said colors within said nanometer beads ~~carriers~~ at each location by making them fluoresce;

measuring said fluorescence of said nanometer beads ~~carriers~~ at each location to identify presence and absence of said colors.

2. (canceled)

3. (currently amended) The method of claim 1 wherein said nanometer sized particles ~~carriers~~ are nanometer sized fluorescent particles.

4. (currently amended) The method of claim 3 wherein said nanometer sized particles comprise quantum dots.

5. (original) The method of claim 4 wherein said quantum dots are made up of red, blue and green color.

6. (original) The method of claim 4 wherein said quantum dots are made up of a plurality of shades of a color.

7. – 9. (canceled)

10. (previously presented) The method of claim 1 wherein a holographic multi-spectral filter HSMF is used for dispersing collimated fluorescent light on a spectrally sensitive component.

11. (new) A method of storing data comprising:

placing a plurality of nanometer beads filled with nanometer sized particles, the nanometer sized particles providing colors to the nanometer beads, using laser-induced technology at each of a plurality of data pit locations on a rotating data storage medium disk to represent data by the presence and absence of said colors;

exciting said colors within said nanometer beads at each location by making them fluoresce;

measuring said fluorescence of said nanometer beads at each location to identify presence and absence of said colors.

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